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Robots in future generations

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General Note



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Robotics is the interdisciplinary branch of engineering and science. It deals with the design, construction, operation, and use of robots, as well as computer systems for their control. Robotic engineers are designing the next generation of robots to look, feel and act more human, to make it easier. Today, robotics is a rapidly growing field, as technological advances continue; researching, designing, and building new robots serve various practical purposes, whether domestically, commercially, or militarily. A simplified definition of a robot is that it must be a device with three or more axis of motion (e.g. shoulder, elbow, wrist), an end effectors (tool), and that it may be reprogrammed for different tasks.

Technically robots are automatic motorised tools, but they're generally known as clunky humanoid foils that have bumbled about popular media for almost a century - mechanised characters of humour, or menace without status, rendering their violent removal a minor plot without guilt. All modern technology is designed to bring the world to you; phone, radio, television, internet, but if trends continue, robots will soon bring you to the world, everywhere, and at the speed of thought.

In the near future, robots will take the next step into our lives in a more personal way. One of the most important uses for personal robots in the coming years will be in elderly care facilities. It will be able to communicate with each other to make things like driving safer or even be injected into our bodies to fight diseases. Psychological research shows humans are desperate to anthropomorphize anything that remotely resembles a human, so robots of the future will allow us to choose their gender, age, voice and much more in order to make the experience more personal.

Robots are doing human labor in all kinds of places. Best of all, they are doing the jobs that are unhealthy or impractical for people. This frees up workers to do the more skilled jobs, including the programming, maintenance and operation of robots. In the health

industry, robots are helping to research and develop drugs, package them and even assist doctors in complicated surgery such as hip replacement and open heart procedures. And the main reason robots are used in any application is because they do the work so much better that there is a vast improvement in quality and/or production, or costs are brought down so that companies can be the best at what they do while keeping workers safe. When mass produced, robots compete with human capabilities. The majority of today's jobs will disappear. But, the huge accumulated wealth of governments and companies will justify universal unemployment benefits.

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